AMENDMENTS TO THE SPECIFICATION

Please amend the paragraph beginning on page 21, line 25 as follows:

--These cells can be detected through one of a variety of different methods including, for example, using edge detection hardware or software to detect and count sufficiently large changes in the level of transmitted or reflected light and thus count the transitions and hence the cells. Another method, described in more detail below, uses image (pattern) recognition software to identify cells against the background. Image recognition can distinguish WBCs from RBCs, and also distinguish neutrophils, monocytes, basophils, eosinophils, granulocytes, and lymphocytes. In one embodiment, the number of cells captured is analyzed to thereby determine a cell concentration in the sample.--